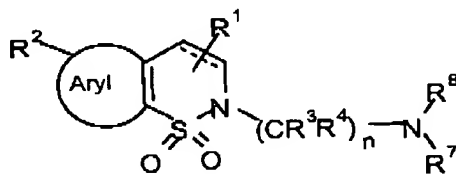


Via Telefax No. 703/872-9306

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Previously Amended) A compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, OH, OC₁₋₃alkyl, C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, CONR⁵R⁶, S(=O)_mC₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl; with the proviso that if Aryl is thiophene, then R² ≠ H or halo, and R¹ ≠ OH

R³, R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃,

Via Telefax No. 703/872-9306

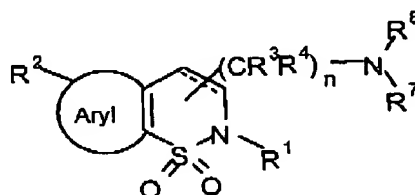
OC₁₋₃alkyl, or C₁₋₃alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

2. (Currently Amended) A compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, C₁₋₃alkyl, C₃₋₅alkenyl, an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, or CF₃; or C₂₋₅alkyl substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl or an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, S(=O)₂NR⁵R⁶; or C₃₋₅alkenyl substituted optionally with OH, OC₁₋₃alkyl, or S(=O)_mC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, S(=O)₂NR⁵R⁶, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally

Via Telefax No. 703/872-9306

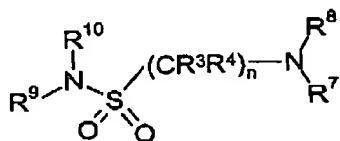
selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

3. (Withdrawn) A compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

R⁹ is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

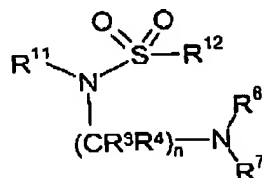
R¹⁰ is C₁₋₄alkyl, or R¹⁰ can be joined to R⁹ to form a fused bicyclic ring system such as indoline;

n is 2 to 4

Via Telefax No. 703/872-9306

and any pharmaceutically acceptable salts and solvates.

4. (Withdrawn) A Compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

R¹¹ is C₁₋₃alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

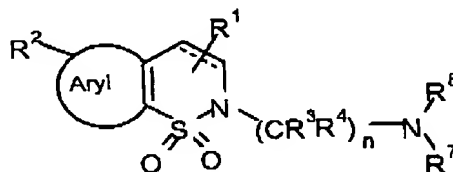
R¹² is C₁₋₄alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-*e*]-1,2-thiazine, or 1,2-benzothiazine, or R¹² can be joined to R¹¹ to form a fused bicyclic ring system such as 2,3-dihydro-benzo[*c*]isoxazole;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

Via Telefax No. 703/872-9306

5. (Currently Amended) A method for lowering IOP which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, OH, OC₁₋₃alkyl, C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, CONR⁵R⁶, S(=O)ₘC₁₋₃alkyl⁶, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³, R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

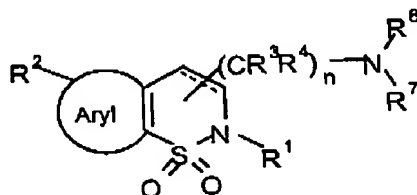
n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

Via Telefax No. 703/872-9306

6. (Currently Amended) A method for lowering IOP which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, C₁₋₃alkyl, C₃₋₅alkenyl, an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, or S(=O)₂NR⁵R⁶; or C₂₋₅alkyl substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl or an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, S(=O)₂NR⁵R⁶; or C₃₋₅alkenyl substituted optionally with OH, OC₁₋₃alkyl, or S(=O)_mC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋

Via Telefax No. 703/872-9306

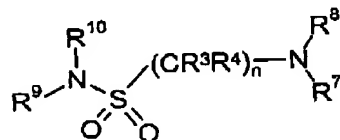
alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

7. (Withdrawn) A method for lowering IOP which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

R⁹ is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

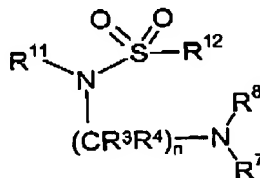
R¹⁰ is C₁₋₄alkyl, or R¹⁰ can be joined to R⁹ to form a fused bicyclic ring system such as indoline;

Via Telefax No. 703/872-9306

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

8. (Withdrawn) A method for lowering IOP which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



R^3 & R^4 are independently H, C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH or OC_{1-3} alkyl;

R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl, or substituted on nitrogen with C_{1-4} alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl;

R^{11} is C_{1-3} alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C_{1-4} alkyl, halogen, OC_{1-4} alkyl;

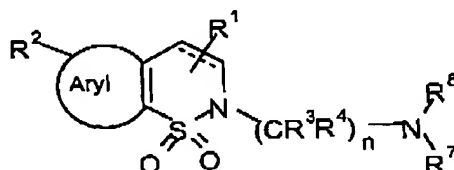
R^{12} is C_{1-4} alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-e]-1,2-thiazine, or 1,2-benzothiazine, or R^{12} can be joined to R^{11} to form a fused bicyclic ring system such as 2,3-dihydro-benzo[c]isoxazole;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

Via Telefax No. 703/872-9306

9. (Currently Amended) A method for improving blood flow to the optic nerve head and the retina which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, OH, OC₁₋₃alkyl, C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, CONR⁵R⁶, S(=O)_mC₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³, R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

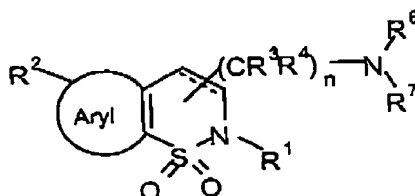
n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

Via Telefax No. 703/872-9306

10. (Currently Amended) A method for improving blood flow to the optic nerve head and the retina which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, C₁₋₃alkyl, C₃₋₅alkenyl, an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, or S(=O)₂NR⁵R⁶; or C₂₋₅alkyl substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl or an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, S(=O)₂NR⁵R⁶; or C₃₋₅alkenyl substituted optionally with OH, OC₁₋₃alkyl, or S(=O)_mC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋

Via Telefax No. 703/872-9306

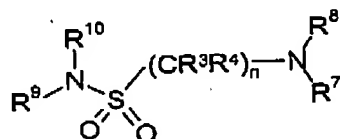
₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

11. (Withdrawn) A method for improving blood flow to the optic nerve head and the retina which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

R⁹ is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

R¹⁰ is C₁₋₄alkyl, or R¹⁰ can be joined to R⁹ to form a fused bicyclic ring system such as

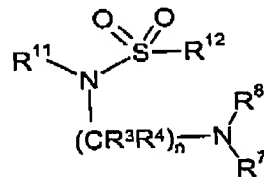
Via Telefax No. 703/872-9306

indoline;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

12. (Withdrawn) A method for improving blood flow to the optic nerve head and the retina which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

R¹¹ is C₁₋₃alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

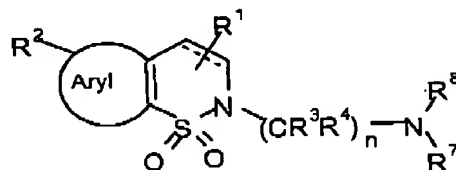
R¹² is C₁₋₄alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-e]-1,2-thiazine, or 1,2-benzothiazine, or R¹² can be joined to R¹¹ to form a fused bicyclic ring system such as 2,3-dihydro-benzo[c]isoxazole;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

Via Telefax No. 703/872-9306

13. (Currently Amended) A method for treating retinal diseases selected from the group consisting of glaucoma, age related macular degeneration (ARMD), optic neuritis, ischemic disorders, diabetic retinopathy, and retinal edema which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, OH, OC₁₋₃alkyl, C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, CONR⁵R⁶, S(=O)_mC₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³, R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃,

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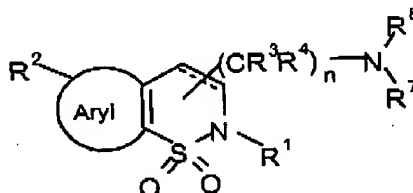
OC₁₋₃alkyl, or C₁₋₃alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

14. (Currently Amended) A method for treating retinal diseases selected from the group consisting of glaucoma, age related macular degeneration (ARMD), optic neuritis, ischemic disorders, diabetic retinopathy, and retinal edema which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, C₁₋₃alkyl, C₃₋₅alkenyl, an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, or S(=O)₂NR⁵R⁶; or C₂₋₅alkyl substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl or an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, S(=O)₂NR⁵R⁶; or C₃₋₅alkenyl substituted optionally with OH, OC₁₋₃alkyl, or S(=O)_mC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted

Via Telefax No. 703/872-9306

optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

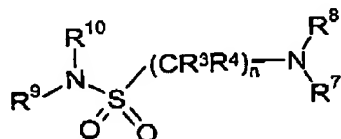
R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

15. (Withdrawn) A method for treating retinal diseases which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl,

Via Telefax No. 703/872-9306

or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

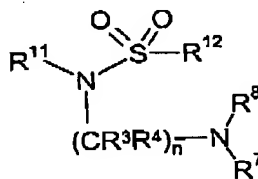
R⁹ is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄ alkyl, halogen, OC₁₋₄alkyl;

R¹⁰ is C₁₋₄alkyl, or R¹⁰ can be joined to R⁹ to form a fused bicyclic ring system such as indoline;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

16. (Withdrawn) A method for treating retinal diseases which comprises administering to a person in need thereof, a composition comprising an effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋

Via Telefax No. 703/872-9306

₃alkyl;

R¹¹ is C₁₋₃alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄ alkyl, halogen, OC₁₋₄alkyl;

R¹² is C₁₋₄alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-*e*]-1,2-thiazine, or 1,2-benzothiazine, or R¹² can be joined to R¹¹ to form a fused bicyclic ring system such as 2,3-dihydro-benzo[*c*]isoxazole;

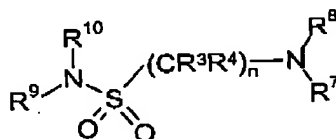
n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

17. (Cancelled)

18. (Cancelled)

19. (Withdrawn) A composition for lowering IOP comprising a pharmaceutically effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

Via Telefax No. 703/872-9306

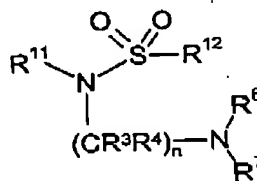
R^9 is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C_{1-4} alkyl, halogen, OC_{1-4} alkyl;

R^{10} is C_{1-4} alkyl, or R^{10} can be joined to R^9 to form a fused bicyclic ring system such as indoline;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

20. (Withdrawn) A composition for lowering IOP comprising a pharmaceutically effective amount of a compound of the formula:



R^3 & R^4 are independently H, C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH or OC_{1-3} alkyl;

R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl, or substituted on nitrogen with C_{1-4} alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl;

R^{11} is C_{1-3} alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C_{1-4} alkyl, halogen, OC_{1-4} alkyl;

R^{12} is C_{1-4} alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-*e*]-1,2-thiazine, or 1,2-benzothiazine, or R^{12} can be joined to R^{11} to form a fused bicyclic ring system such as 2,3-dihydro-benzo[*c*]isoxazole;

Via Telefax No. 703/872-9306

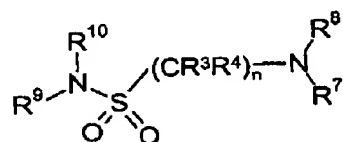
n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

21. (Cancelled)

22. (Cancelled)

23. (Withdrawn) A composition for improving blood flow to the optic nerve head and the retina comprising a pharmaceutically effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

R⁹ is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

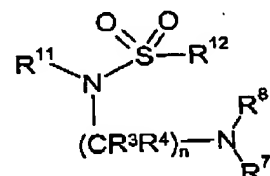
R¹⁰ is C₁₋₄alkyl, or R¹⁰ can be joined to R⁹ to form a fused bicyclic ring system such as indoline;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

Via Telefax No. 703/872-9306

24. (Withdrawn) A composition for improving blood flow to the optic nerve head and the retina comprising a pharmaceutically effective amount of a Compound of the formula:



R^3 & R^4 are independently H, C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH or OC_{1-3} alkyl;

R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl, or substituted on nitrogen with C_{1-4} alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl;

R^{11} is C_{1-3} alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C_{1-4} alkyl, halogen, OC_{1-4} alkyl;

R^{12} is C_{1-4} alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-*e*]-1,2-thiazine, or 1,2-benzothiazine, or R^{12} can be joined to R^{11} to form a fused bicyclic ring system such as 2,3-dihydro-benzo[*c*]isoxazole;

n is 2 to 4

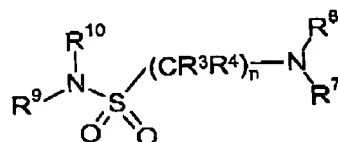
and any pharmaceutically acceptable salts and solvates.

25. (Cancelled)

Via Telefax No. 703/872-9306

26. (Cancelled)

27. (Withdrawn) A composition for treating retinal diseases comprising a pharmaceutically effective amount of a compound of the formula:



R^3 & R^4 are independently H, C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH or OC_{1-3} alkyl;

R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl, or substituted on nitrogen with C_{1-4} alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl;

R^9 is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C_{1-4} alkyl, halogen, OC_{1-4} alkyl;

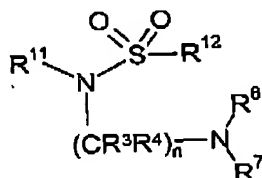
R^{10} is C_{1-4} alkyl, or R^{10} can be joined to R^9 to form a fused bicyclic ring system such as indoline;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

28. (Withdrawn) A composition for treating retinal diseases comprising a pharmaceutically effective amount of a compound of the formula:

Via Telefax No. 703/872-9306



R^3 & R^4 are independently H, C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH or OC_{1-3} alkyl;

R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl, or substituted on nitrogen with C_{1-4} alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl;

R^{11} is C_{1-3} alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C_{1-4} alkyl, halogen, OC_{1-4} alkyl;

R^{12} is C_{1-4} alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-e]-1,2-thiazine, or 1,2-benzothiazine, or R^{12} can be joined to R^{11} to form a fused bicyclic ring system such as 2,3-dihydro-benzo[c]isoxazole;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

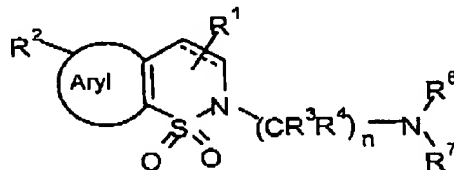
29. (Withdrawn) A method for improving blood flow to the optic nerve head or the retina which comprises administering to a person in need thereof, a composition comprising a pharmaceutically effective amount of a compound with 5HT_7 receptor affinity.

Via Telefax No. 703/872-9306

30. (Withdrawn) A composition for improving blood flow to the optic nerve head or the retina comprising a pharmaceutically effective amount of a compound with 5HT₇ receptor affinity.
31. (Withdrawn) A method for providing neuroprotection to the optic nerve head or the retina which comprises administering to a person in need thereof, a composition comprising a pharmaceutically effective amount of a compound with 5HT₇ receptor affinity.
32. (Withdrawn) A composition for providing neuroprotection to the optic nerve head or the retina comprising a pharmaceutically effective amount of a compound with 5HT₇ receptor affinity.
33. (Withdrawn) A method for treating retinal diseases which comprises administering to a person in need thereof, a composition comprising a pharmaceutically effective amount of a compound with 5HT₇ receptor affinity.
34. (Cancelled)
35. (Withdrawn) A composition for treating retinal diseases comprising a pharmaceutically effective amount of a compound with 5HT₇ receptor affinity.
36. (Withdrawn) The composition of Claim 35 wherein the retinal diseases are selected from the group consisting of glaucoma, age related macular degeneration, optic neuritis, ischemic disorders, diabetic retinopathy, and retinal edema.
37. (Withdrawn) A method for lowering IOP which comprises administering to a person in need thereof, a composition comprising a pharmaceutically effective amount of a compound with 5HT₇ receptor affinity.
38. (Withdrawn) A composition for lowering IOP comprising a pharmaceutically effective amount of a compound with 5HT₇ receptor affinity.

Via Telefax No. 703/872-9306

39. (Currently Amended) A method for treating persons suffering from a sleeping disorder, depression, schizophrenia, anxiety, circadian rhythm disorders, and centrally and peripherally mediated hypertension, which comprises, administering a composition comprising a pharmaceutically effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, OH, OC₁-₃alkyl, C₁-₃alkyl, C₁-₃alkyl substituted optionally with OH, or OC₁-₃alkyl;

R² is H, halogen, C₁-₃alkyl, CONR⁵R⁶, S(=O)ₘC₁-₃alkyl, S(=O)₂NR⁵R⁶, C₁-₃alkyl substituted optionally with OH, or OC₁-₃alkyl;

R³, R⁴ are independently H, C₁-₃alkyl, or C₁-₃alkyl substituted optionally with OH or OC₁-₃alkyl;

R⁵, R⁶ are independently H, C₁-₃alkyl, or C₂-₃alkyl substituted optionally with OH, OC₁-₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁-₃alkyl, C₂-₃alkyl substituted optionally with OH or OC₁-₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁-₃alkyl, or C₁-₃alkyl substituted optionally with OH, OC₁-₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁-₃alkyl, or C₁-₃alkyl, or substituted on nitrogen with C₁-₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁-₃alkyl, or C₁-₃alkyl;

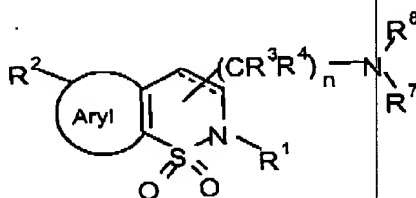
n is 2 to 4;

Via Telefax No. 703/872-9306

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

40. (Currently Amended) A method for treating persons suffering from a sleeping disorder, depression, schizophrenia, anxiety, obsessive compulsive disorder, circadian rhythm disorders, and centrally and peripherally mediated hypertension which comprises, administering a composition comprising a pharmaceutically effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a fused phenyl or monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, C₁₋₃alkyl, C₃₋₅alkenyl, an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, or S(=O)₂NR⁵R⁶; or C₂₋₅alkyl substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl or an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl which is either unsubstituted or substituted optionally with OH, OC₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, halogen, CF₃, S(=O)₂NR⁵R⁶; or C₃₋₅alkenyl substituted optionally with OH, OC₁₋₃alkyl, or S(=O)_mC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, S(=O)_mC₁₋₃alkyl, S(=O)₂NR⁵R⁶, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine and which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl.

Via Telefax No. 703/872-9306

₃alkyl;

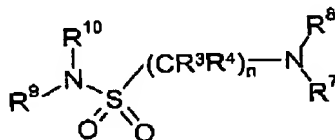
R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ^3 -piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl, or substituted on nitrogen with C_{1-4} alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof.

41. (Withdrawn) A method for treating persons suffering from a sleeping disorder, depression, schizophrenia, anxiety, obsessive compulsive disorders, circadian rhythm disorders, and centrally and peripherally mediated hypertension which comprises, administering a composition comprising a pharmaceutically effective amount of a compound of the formula:



R^3 & R^4 are independently H, C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH or OC_{1-3} alkyl;

R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, phenyl which

Via Telefax No. 703/872-9306

can be unsubstituted or substituted optionally with halogen, CF_3 , $\text{OC}_{1-3}\text{alkyl}$, or $\text{C}_{1-3}\text{alkyl}$, or substituted on nitrogen with $\text{C}_{1-4}\text{alkoxy}$ or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , $\text{OC}_{1-3}\text{alkyl}$, or $\text{C}_{1-3}\text{alkyl}$;

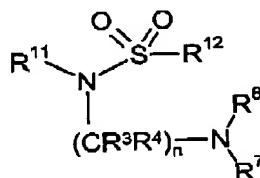
R^9 is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with $\text{C}_{1-4}\text{alkyl}$, halogen, $\text{OC}_{1-4}\text{alkyl}$;

R^{10} is $\text{C}_{1-4}\text{alkyl}$, or R^{10} can be joined to R^9 to form a fused bicyclic ring system such as indoline;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

42. (Withdrawn) A method for treating persons suffering from a sleeping disorder, depression, schizophrenia, anxiety, obsessive compulsive disorder, circadian rhythm disorders, and centrally and peripherally mediated hypertension which comprises, administering a composition comprising a pharmaceutically effective amount of a compound of the formula:



R^3 & R^4 are independently H, $\text{C}_{1-3}\text{alkyl}$, or $\text{C}_{1-3}\text{alkyl}$ substituted optionally with OH or $\text{OC}_{1-3}\text{alkyl}$;

R^7 , R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ^3 -piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from $\text{C}_{1-3}\text{alkyl}$, $\text{C}_{1-3}\text{alkyl}$ substituted optionally with OH, $\text{OC}_{1-3}\text{alkyl}$, phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , $\text{OC}_{1-3}\text{alkyl}$,

Via Telefax No. 703/872-9306

or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

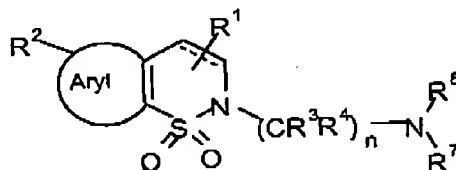
R¹¹ is C₁₋₃alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

R¹² is C₁₋₄alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-*e*]-1,2-thiazine, or 1,2-benzothiazine, or R¹² can be joined to R¹¹ to form a fused bicyclic ring system such as 2,3-dihydro-benzo[*c*]isoxazole;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates.

43. (Previously Amended) A pharmaceutical composition comprising a pharmaceutically effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R¹ is H, OH, OC₁₋₃alkyl, C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl;

R² is H, halogen, C₁₋₃alkyl, CONR⁵R⁶, S(=O)_mC₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, or OC₁₋₃alkyl; with the proviso that if Aryl is thiophene, then R² ≠ H or halo, and R¹ ≠ OH

R³, R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

Via Telefax No. 703/872-9306

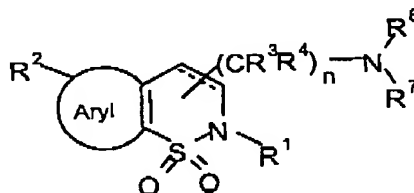
R^7, R^8 are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ^3 -piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH, OC_{1-3} alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl, or substituted on nitrogen with C_{1-4} alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF_3 , OC_{1-3} alkyl, or C_{1-3} alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof in a pharmaceutically acceptable carrier.

44. (Previously Amended) A pharmaceutical composition comprising a pharmaceutically effective amount of a compound of the formula:



Wherein the dashed bond represents a single or double bond;

Aryl signifies a monocyclic heteroaromatic ring selected from the group consisting of thiophene, furan, pyrrole, pyridine, pyrimidine, pyridazine, and pyrazine;

R^1 is H, C_{1-3} alkyl, C_{3-5} alkenyl, an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl which is either unsubstituted or substituted optionally with OH, OC_{1-3} alkyl, $S(=O)_mC_{1-3}$ alkyl, halogen, or CF_3 ; or C_{2-5} alkyl substituted optionally with OH, OC_{1-3} alkyl, $S(=O)_mC_{1-3}$ alkyl or an aromatic ring selected from the group consisting of phenyl, thienyl, pyridyl, and imidazolyl, which is either unsubstituted or substituted optionally with OH, OC_{1-3} alkyl, $S(=O)_mC_{1-3}$ alkyl, halogen, CF_3 , $S(=O)_2NR^5R^6$; or C_{3-5} alkenyl substituted optionally with OH, OC_{1-3} alkyl, or $S(=O)_mC_{1-3}$ alkyl;

R^2 is H, halogen, C_{1-3} alkyl, $S(=O)_mC_{1-3}$ alkyl, or C_{1-3} alkyl substituted optionally with OH, or OC_{1-3} alkyl;

R^3 & R^4 are independently H, C_{1-3} alkyl, or C_{1-3} alkyl substituted optionally with OH or

Via Telefax No. 703/872-9306

OC₁₋₃alkyl;

R⁵, R⁶ are independently H, C₁₋₃alkyl, or C₂₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, where R⁵ and R⁶ optionally can be joined together to form a pyrrolidine or piperidine ring which can be either unsubstituted or substituted optionally with C₁₋₃alkyl, C₂₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

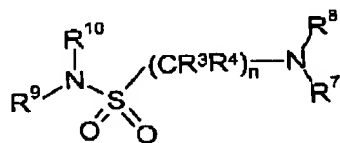
R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring selected from the group consisting of pyrrolidine, piperidine, Δ³-piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

n is 2 to 4;

m is 0, 1 or 2

or a pharmaceutically acceptable salt or solvate thereof in a pharmaceutically acceptable carrier.

45. (Withdrawn) A composition comprising a pharmaceutically effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidine, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from

Via Telefax No. 703/872-9306

C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl;

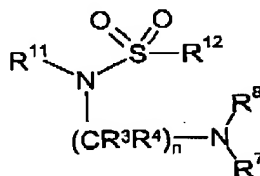
R⁹ is phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄alkyl, halogen, OC₁₋₄alkyl;

R¹⁰ is C₁₋₄alkyl, or R¹⁰ can be joined to R⁹ to form a fused bicyclic ring system such as indoline;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates in a pharmaceutically acceptable carrier.

46. (Withdrawn) A composition comprising a pharmaceutically effective amount of a compound of the formula:



R³ & R⁴ are independently H, C₁₋₃alkyl, or C₁₋₃alkyl substituted optionally with OH or OC₁₋₃alkyl;

R⁷, R⁸ are together with the nitrogen atom to which they are attached incorporated into a heterocyclic ring of 5 to 8 atoms which may include a second heteroatom selected from N, O, S, such as pyrrolidine, piperidine, Δ³-piperidein, piperazine, morpholine or thiomorpholine which can be unsubstituted or substituted on carbon with one or more substituents optionally selected from C₁₋₃alkyl, C₁₋₃alkyl substituted optionally with OH, OC₁₋₃alkyl, phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋₃alkyl, or substituted on nitrogen with C₁₋₄alkoxy or phenyl which can be unsubstituted or substituted optionally with halogen, CF₃, OC₁₋₃alkyl, or C₁₋

Via Telefax No. 703/872-9306

alkyl;

R¹¹ is C₁₋₃alkyl, phenyl or a monocyclic heteroaromatic ring which can be unsubstituted or substituted with C₁₋₄ alkyl, halogen, OC₁₋₄alkyl;

R¹² is C₁₋₄alkyl or a fused bicyclic heteroaromatic ring such as thieno[3,2-*e*]-1,2-thiazine, or 1,2-benzothiazine, or R¹² can be joined to R¹¹ to form a fused bicyclic ring system such as 2,3-dihydro-benzo[*c*]isoxazole;

n is 2 to 4

and any pharmaceutically acceptable salts and solvates in a pharmaceutically acceptable carrier.

47. (Original) The Compound of Claim 1 selected from the group consisting of:
6-Chloro-2-[4-[4-(2*H*-benzimidazo-2-oxo-1-yl)piperidin-1-yl]butyl]-2*H*-thieno[3,2-*e*]-1,2-thiazine 1,1-dioxide;
6-Chloro-2-[4-(4-phenylpiperazin-1-yl)butyl]-2*H*-thieno[3,2-*e*]-1,2-thiazine 1,1-dioxide;
6-Chloro-2-[4-[4-(2-fluorophenyl)piperazin-1-yl]butyl]-2*H*-thieno[3,2-*e*]-1,2-thiazine 1,1-dioxide;
6-Chloro-2-[3-[4-(3-trifluoromethylphenyl)piperazin-1-yl]propyl]-2*H*-thieno[3,2-*e*]-1,2-thiazine 1,1-dioxide;
6-Chloro-2-[3-[4-(2*H*-benzimidazol-2-oxo)piperidin-1-yl]propyl]-2*H*-thieno[3,2-*e*]-1,2-thiazine 1,1-dioxide.

48. (Withdrawn) The Compound of Claim 3 selected from the group consisting of:
3-[4-(3-Chlorophenyl)piperazin-1-yl]propylsulfonyl-2,3-dihydro-1*H*-indole;
3-(1,2,3,4-Tetrahydroisoquinolin-2-yl)propylsulfonyl-2,3-dihydro-1*H*-indole;
3-[4-(3-Trifluoromethylphenyl)piperazin-1-yl]propylsulfonyl-2,3-dihydro-1*H*-indole;
3-[4-(2-Methoxyphenyl)piperazin-1-yl]propylsulfonyl-2,3-dihydro-1*H*-indole;
3-(1,2,3,4-Tetrahydroisoquinolin-2-yl)-*N*-methyl-*N*-phenyl-propylsulfonamide;

Via Telefax No. 703/872-9306

49. (Withdrawn) The Compound of Claim 4 selected from the group consisting of:
N-[3-[4-(3-Chlorophenyl)piperazin-1-yl]propyl]-N-(4-methoxyphenyl)-
propanesulfonamide;
N-[3-(1,2,3,4-Tetrahydroisoquinolin-2-yl)propyl]-N-(4-methoxyphenyl)-
propanesulfonamide;
N-[3-[4-(3-Chlorophenyl)piperazin-1-yl]propyl]-N-(4-methoxyphenyl)-
propanesulfonamide;
N-[3-[4-(2-Methoxyphenyl)piperazin-1-yl]propyl]-N-(4-methoxyphenyl)-
propanesulfonamide;
N-[3-[4-(2-Chlorophenyl)piperazin-1-yl]propyl]-N-(4-methoxyphenyl)-
propanesulfonamide.

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